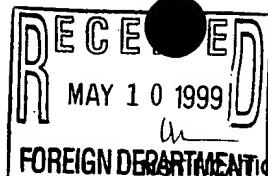


PATENT COOPERATION TREATY



PCT

DEPARTMENT OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)Date of mailing (day/month/year)
14 April 1999 (14.04.99)Applicant's or agent's file reference
0245352-0020International application No.
PCT/US97/18528

From the INTERNATIONAL BUREAU

To:

JARRELL, Brenda, Herschbach
Clark & Elbing LLP
176 Federal Street
Boston, MA 02109
ÉTATS-UNIS D'AMÉRIQUEMay 10 1999
JM

IMPORTANT NOTIFICATION

International filing date (day/month/year)
16 October 1997 (16.10.97)

1. The following indications appeared on record concerning:

 the applicant the inventor the agent the common representative

Name and Address	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

 the person the name the address the nationality the residence

Name and Address TOFIGHI, Aliassghar 204 Waverly Street Belmont, MA 02178 United States of America	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:

A new applicant and inventor for the US only has been added.

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Cruz Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Date of mailing (day/month/year) 27 July 1998 (27.07.98)	To: United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE in its capacity as elected Office
International application No. PCT/US97/18528	Applicant's or agent's file reference 0245352-0020
International filing date (day/month/year) 16 October 1997 (16.10.97)	Priority date (day/month/year) 16 October 1996 (16.10.96)
Applicant LEE, Dosuk, D. et al	

1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

15 May 1998 (15.05.98)

in a notice effecting later election filed with the International Bureau on:

2. The election was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Cruz Telephone No.: (41-22) 338.83.38
---	---

BEST AVAILABLE COPY

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

Date of mailing (day/month/year) 14 April 1999 (14.04.99)	From the INTERNATIONAL BUREAU To: JARRELL, Brenda, Herschbach Clark & Elbing LLP 176 Federal Street Boston, MA 02109 ÉTATS-UNIS D'AMÉRIQUE
Applicant's or agent's file reference 0245352-0020	IMPORTANT NOTIFICATION
International application No. PCT/US97/18528	International filing date (day/month/year) 16 October 1997 (16.10.97)

1. The following indications appeared on record concerning:				
<input checked="" type="checkbox"/> the applicant <input checked="" type="checkbox"/> the inventor <input type="checkbox"/> the agent <input type="checkbox"/> the common representative				
Name and Address 	State of Nationality		State of Residence	
	Telephone No.			
	Facsimile No.			
	Teleprinter No.			

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:				
<input checked="" type="checkbox"/> the person <input checked="" type="checkbox"/> the name <input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence				
Name and Address TOFIGHI, Aliassghar 204 Waverly Street Belmont, MA 02178 United States of America	State of Nationality		State of Residence	
	US		US	
	Telephone No.			
	Facsimile No.			
Teleprinter No.				

3. Further observations, if necessary: A new applicant and inventor for the US only has been added.				
4. A copy of this notification has been sent to:				
<input checked="" type="checkbox"/> the receiving Office <input type="checkbox"/> the International Searching Authority <input type="checkbox"/> the International Preliminary Examining Authority		<input type="checkbox"/> the designated Offices concerned <input checked="" type="checkbox"/> the elected Offices concerned <input type="checkbox"/> other:		

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Cruz Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

Date of mailing (day/month/year) 14 April 1999 (14.04.99)
Applicant's or agent's file reference 0245352-0020
International application No. PCT/US97/18528

From the INTERNATIONAL BUREAU

To:

JARRELL, Brenda, Herschbach
 Clark & Elbing LLP
 176 Federal Street
 Boston, MA 02109
 ÉTATS-UNIS D'AMÉRIQUE

IMPORTANT NOTIFICATION

International filing date (day/month/year)
16 October 1997 (16.10.97)

1. The following indications appeared on record concerning:

the applicant the inventor the agent the common representative

Name and Address JARRELL, Brenda, Herschbach Choate, Hall & Stewart Exchange Place 53 State Street Boston, MA 02109 United States of America	State of Nationality	State of Residence
	Telephone No.	
	617-248-5000	
	Facsimile No.	
	617-248-4000	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

the person the name the address the nationality the residence

Name and Address JARRELL, Brenda, Herschbach Clark & Elbing LLP 176 Federal Street Boston, MA 02109 United States of America	State of Nationality	State of Residence
	Telephone No.	
	617-428-0200	
	Facsimile No.	
	617-428-7045	
	Teleprinter No.	

3. Further observations, if necessary:

The new address of the agent has been considered as a request for recording a change under Rule 92bis. In case of disagreement the applicant should immediately inform the IB accordingly.

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer S. Cruz Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

PCT

16 OCT. 1993

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 0245352-0020	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/US97/18528	International filing date (day/month/year) 16 OCTOBER 1997	Priority date (day/month/year) 16 OCTOBER 1996
International Patent Classification (IPC) or national classification and IPC IPC(6): A61K 9/72; A61L 27/00 and US Cl.: 423/308; 423/311; 424/602; 514/2		
Applicant ETEX CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 15 MAY 1998	Date of completion of this report 20 SEPTEMBER 1998
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer THURMAN K. PAGE  Telephone No. (703) 308-1235

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US97/18528

L Basis of the report

1. This report has been drawn on the basis of (*Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments*):

the international application as originally filed.

the description, pages 1-119, as originally filed.
pages NONE, filed with the demand.
pages NONE, filed with the letter of _____
pages _____, filed with the letter of _____

the claims, Nos. 1-107, as originally filed.
Nos. NONE, as amended under Article 19.
Nos. NONE, filed with the demand.
Nos. NONE, filed with the letter of _____
Nos. _____, filed with the letter of _____

the drawings, sheets/fig 1-18, as originally filed.
sheets/fig NONE, filed with the demand.
sheets/fig NONE, filed with the letter of _____
sheets/fig _____, filed with the letter of _____

2. The amendments have resulted in the cancellation of:

the description, pages NONE

the claims, Nos. NONE

the drawings, sheets/fig NONE

3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the **Supplemental Box** Additional observations below (Rule 70.2(c)).

4. Additional observations, if necessary:

NONE

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US97/18528

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. STATEMENT**

Novelty (N)	Claims <u>1-107</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-107</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-107</u>	YES
	Claims <u>NONE</u>	NO

2. CITATIONS AND EXPLANATIONS

Claims 1-107 meet the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a vehicle for delivering a biologically active agent comprising: a poorly crystalline apathetic calcium phosphate and a biologically active agent. The vehicles can be utilized in drug delivery and cell seeding (in vivo and in vitro)applications.

----- NEW CITATIONS -----

NONE